Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/29/2021 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124448	-1	1.41	124530	1.38
Blue	F	SSC	125000	123802	-1	2.36	124678	2.24
Blue	E	FITC	14203	13569	-5	2.31	295	15.53
Blue	D	PE	25703	25316	-2	1.85	550	10.62
Blue	B	PerCP-Cy5-5	42104	41130	-3	2.86	918	14.53
Blue	A	PE-Cy7	34646	33719	-3	4.18	485	28.79
Red	C	APC	49824	48887	-2	2.60	1492	11.16
Red	A	APC-Cy7	39773	38765	-3	2.56	726	11.59
Violet	B	V450	7447	7129	-5	3.64	409	13.31
Violet	A	V500	31193	30114	-4	3.43	689	10.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21499	2.06	546	-10	N/A	N/A	Pass
Blue	F	SSC	54898	1.95	510	-2	N/A	N/A	Pass
Blue	E	FITC	54	57.02	482	-4	0.0422	262	Pass
Blue	D	PE	109	39.92	485	0	0.4083	357	Pass
Blue	B	PerCP-Cy5-5	177	36.48	576	-1	0.0196	92	Pass
Blue	A	PE-Cy7	109	62.73	619	-1	0.0224	0	Pass
Red	C	APC	351	23.95	566	-1	0.0295	159	Pass
Red	A	APC-Cy7	201	23.97	542	-2	0.0062	427	Pass
Violet	B	V450	89	44.48	452	3	0.0407	1683	Pass
Violet	A	V500	121	35.24	470	3	0.0244	1758	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.31	0.99
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.55	15.99 - 23.99	N/A	N/A	29.68	30.00	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11985

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments